

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: September 20, 2002, 11:59:46 : Search time 14.07 Seconds
(without alignments)
3.963 Million cell updates/sec

Title: us-08-971-172a-7

Perfect score: 4956
Sequence: 1 ATGAATGGAACATGTTCC.....TAGAGAACTGAAGCTGA 4956

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 5654 residues

number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : turner172.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4855.6	98.0	5654	1 ROBO1_1997	Entered [sdayid 2
2	22.4	0.5	5654	1 ROBO1_1997	Entered [sdayid 2

ALIGNMENTS

Query Match 98.0%; Score 4855.6; DB 1; Length 5654;
Best local Similarity 100.0%; Pred. No. 0;
Matches 4855; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGAATGGAACATGTTCC	TTTTTGGTCATGATATCACTCC	CGACCTTATCCCAAT	60
DB	510	ATGAATGGAACATGTTCC	TTTTTGGTCATATATCACTCC	CGACCTTATCCCAAT	569
QY	61	CACCTGTTTCGGCCAGCTT	ATCCAGACCTGAAGATAGAGAGG	GGAAAGACAC	120
DB	570	CACCTGTTTCGGCCAGCTT	ATCCAGACCTGAAGATAGAGAGG	GGAAAGACAC	629
QY	121	GGAGCGCAATCCCACTCT	GTATTAACGATGACATTTGCT	GGGCTATACAGCCTCCGT	180
DB	630	GGAGCGCAATCCCACTCT	GTATTAACGATGACATTTGCT	GGGCTATACAGCCTCCGT	689
QY	181	CTTCGACGAGAGATTTT	CCACCTGGATTTGAACACCTT	CAGACCGATTTGTCTCA	240
DB	690	CTTCGACGAGAGATTTT	CCACCTGGATTTGAACACCTT	CAGACCGATTTGTCTCA	749
QY	241	AAAGGAGAACCTGCAAT	TTGAAGTGAAGGCGCCG	CCACACCCACTATTGAA	300
DB		AAAAAAAAAAAAAAAA	AAAAAAAAAAAAAAAA	AAAAAAAAAAAAAAAA	

DB	750	AAAGGAGAACCTGCAAT	TTGAAGTGAAGGCGCCG	CCACACCCACTATTGAA	809
QY	301	TGCTACAAAGGGGAGAG	AGATGAGACAGACAAAT	ATAGCCTGCTCCACACCGAATG	360
DB	810	TGCTACAAAGGGGAGAG	AGATGAGACAGACAAAT	ATAGCCTGCTCCACACCGAATG	869
QY	361	TTGCTGCCGAGTGATCT	TATTTTCTTACGATATAG	TACATGAGGAGAAATAGACCT	420
DB	870	TTGCTGCCGAGTGATCT	TATTTTCTTACGATATAG	TACATGAGGAGAAATAGACCT	929
QY	421	GATGAAGAGCTATATG	TCTGTAGCAAGAAATTA	CTTGAGAGGCTGTGACCCCAAT	480
DB	930	GATGAAGAGCTATATG	TCTGTAGCAAGAAATTA	CTTGAGAGGCTGTGAGCACAAT	989
QY	481	GCATCGCTGGAAGTAG	CCATCTTCGGGATGACTT	CAGACAAAACCTTTGGATGTCATG	540
DB	990	GCATCGCTGGAAGTAG	CCATCTTCGGGATGACTT	CAGACAAAACCTTTGGATGTCATG	1049
QY	541	GTTGACGTAGAGAGCT	GAGTAATGGAATGCAAC	CTCCAGAGGCTATCCGAGAGCC	600
DB	1050	GTTGACGTAGAGAGCT	GAGTAATGGAATGCAAC	CTCCAGAGGCTATCCGAGAGCC	1109
QY	601	ACCATTTTCATGAGAA	AGATGCTCTCCACTGAT	GATTAAGATGAAGAAATTAATATA	660
DB	1110	ACCATTTTCATGAGAA	AGATGCTCTCCACTGAT	GATTAAGATGAAGAAATTAATATA	1169
QY	661	CGAGGAGAAAGCTCAT	GATACCTTACACCCGTA	AAAGTGAACGCTGGCAAAATATGTTGT	720
DB	1170	CGAGGAGAAAGCTCAT	GATACCTTACACCCGTA	AAAGTGAACGCTGGCAAAATATGTTGT	1229
QY	721	GTTGGTACCAATATG	TGGGGGAAACGTGAG	AGAGTAAGTACCGGAGCTGTCCTTAATG	780
DB	1230	GTTGGTACCAATATG	TGGGGGAAACGTGAG	AGAGTAAGTACCGGAGCTGTCCTTAATG	1289
QY	781	AGACATCATTTTGA	AGAGACCCAGTAACCT	TGGCACTGTGATGACAGTGCAGAA	840
DB	1290	AGACATCATTTTGA	AGAGACCCAGTAACCT	TGGCACTGTGATGACAGTGCAGAA	1349
QY	841	TTTAAATGTAGAGCC	GAGGTGACCTGTAC	TACAGTACGATGAGAGAAAGATGATGA	900
DB	1350	TTTAAATGTAGAGCC	GAGGTGACCTGTAC	TACAGTACGATGAGAGAAAGATGATGA	1409
QY	901	GAGCTGCCCAATCC	CAATATGAAATCCG	AGATGATCATCTTGAAATTTAGAGAAAGTG	960
DB	1410	GAGCTGCCCAATCC	CAATATGAAATCCG	AGATGATCATCTTGAAATTTAGAGAAAGTG	1469
QY	961	ACAAGCTGTGACAT	GGGTTTCATACACT	TGTTGCAGAAAAATATGTTGGCCAAAGCTGAA	1020
DB	1470	ACAAGCTGTGACAT	GGGTTTCATACACT	TGTTGCAGAAAAATATGTTGGCCAAAGCTGAA	1529
QY	1021	GCATCTGCTACTGAC	TGTTCAAGAACCTCC	ACATTTTGTGTGAAACCCCGTGACACG	1080
DB	1530	GCATCTGCTACTGAC	TGTTCAAGAACCTCC	ACATTTTGTGTGAAACCCCGTGACACG	1589
QY	1081	GTTGTGCTTTGGAG	CGAGCTGTAACCTT	TCAGTGTGAACACCGGAAATTCCTCAACCA	1140
DB	1590	GTTGTGCTTTGGAG	CGAGCTGTAACCTT	TCAGTGTGAACACCGGAAATTCCTCAACCA	1649
QY	1141	GCTATTTTCTGAG	GAGAGAGGAGTCA	GAATCTTTTCATATTCACACCAACGACAG	1200
DB	1650	GCTATTTTCTGAG	GAGAGAGGAGTCA	GAATCTTTTCATATTCACACCAACGACAG	1709
QY	1201	TCATCCAGCCGATTT	TAGTCTCCAGACCTG	GCACAAATTAATTAATGTCACACGGA	1260
DB	1710	TCATCCAGCCGATTT	TAGTCTCCAGACCTG	GCACAAATTAATTAATGTCACACGGA	1769
QY	1261	TCGATGTTGTTATTA	TCATCTGCACAGCTT	TAATGTTCTGGAAGCATATCACAAAG	1320
DB	1770	TCGATGTTGTTATTA	TCATCTGCACAGCTT	TAATGTTCTGGAAGCATATCACAAAG	1829
QY	1321	GCATATTTGGAAGT	TACAGATGTGATG	GCAGATGCGCTCCCGCATTTATTCGACAAAGT	1380
DB	1830	GCATATTTGGAAGT	TACAGATGTGATG	GCAGATGCGCTCCCGCATTTATTCGACAAAGT	1889

QY	2461	GAAACTCGATACCATCATCAACAAAACAGTGGATGTTCCACCTTTTCCGTGGTCAATTCCC	2520
Db	2970	GAAACTCGATACCATCATCAACAAAACAGTGGATGTTCCACCTTTTCCGTGGTCAATTCCC	3029
QY	2521	TTTCTTTGTTCCGTGGAAATCCGATACAGTGTGGAAAGTGGGACGACGACGAGCTGGGCTGGCT	2580
Db	3030	TTTTCTTTGTTCCGTGGAAATCCGATACAGTGTGGAAAGTGGGACGACGACGAGCTGGGCTGGCT	3089
QY	2581	GGGGTAAAGAGTGCACCTCAGTTTCATTCGACGCTGGATGGCCCATGGAAACCTGTACCT	2640
Db	3090	GGGGTAAAGAGTGCACCTCAGTTTCATTCGACGCTGGATGGCCCATGGAAACCTGTACACT	3149
QY	2641	GAGGACCAAGTCAGCTCGCTCAGCAGATTTAGATGTGTGTAAACAGCCGGCCCTTCATA	2700
Db	3150	GAGGACCAAGTCAGCTCGCTCAGCAGATTTAGATGTGTGTAAACAGCCGGCCCTTCATA	3209
QY	2701	GGAGGTATTGGAGCAGCCGTTGGATTCATCCTCATGTGTGTAGCATCGGCTTTATCGA	2760
Db	3210	GGAGGTATTGGAGCAGCCGTTGGATTCATCCTCATGTGTGTAGCATCGGCTTTATCGA	3269
QY	2761	CACCCGAAAGAAAGAAAGGAGTTACTAGCTTACGCGGGTATCAGAAAAGTCCCGTCT	2820
Db	3270	CACCCGAAAGAAAGAAAGGAGTTACTAGCTTACGCGGGTATCAGAAAAGTCCCGTCT	3329
QY	2821	TTTTACTTTACACCAACACTAATTCCAGAGAGGGGGGAAAGCTTTCAGCATGTGAGGG	2880
Db	3330	TTTTACTTTACACCAACACTAATTCCAGAGAGGGGGGAAAGCTTTCAGCATGTGAGGG	3389
QY	2881	AGGCTCTGGACCTTCTCAACATTCAGATGAACCTGCGCCAGCCCATGCTGGCAGACAGTGG	2940
Db	3390	AGGCTCTGGACCTTCTCAACATTCAGATGAACCTGCGCCAGCCCATGCTGGCAGACAGTGG	3449
QY	2941	CCTTAATACTGGCAACAACCAACAATGACTGCTCATCAGCTGCTGCACGGCAGCAATGGA	3000
Db	3450	CCTTAATACTGGCAACAACCAACAATGACTGCTCATCAGCTGCTGCACGGCAGCAATGGA	3509
QY	3001	AACAGGACAGCAACCTCAGTACTCTACAGTGGCCAGGCTATTTGTATGCAAAATTATTAAC	3060
Db	3510	AACAGGACAGCAACCTCAGTACTCTACAGTGGCCAGGCTATTTGTATGCAAAATTATTAAC	3569
QY	3061	AACCACTGATTAACAACAACAACAATCTGATGCTCCCTGAGTCAACTGTTTATGGTAT	3120
Db	3570	AACCACTGATTAACAACAACAACAATCTGATGCTCCCTGAGTCAACTGTTTATGGTAT	3629
QY	3121	GTGGACCTTAGTAACAATAATCAATGAGATGTAATAAACCCTTCAATAGCCCAATCTGAAGGAT	3180
Db	3630	GTGGACCTTAGTAACAATAATCAATGAGATGTAATAAACCCTTCAATAGCCCAATCTGAAGGAT	3689
QY	3181	GGGCGTTTTCATTCATTCATGAGGACGCTGATCCTTACGCCACCACTCAGCTCATTCAG	3240
Db	3690	GGGCGTTTTCATTCATTCATGAGGACGCTGATCCTTACGCCACCACTCAGCTCATTCAG	3749
QY	3241	TCAAACTCTCAACAACAATGAAACAATGGCAGCGGGGACTCTGGCGAAGACACTGGAAA	3300
Db	3750	TCAAACTCTCAACAACAATGAAACAATGGCAGCGGGGACTCTGGCGAAGACACTGGAAA	3809
QY	3301	CCACTGGGACAGCAGAAAACAAGTGGCAGCTTCATGATCAACATCTGTGGACCAAAAC	3360
Db	3810	CCACTGGGACAGCAGAAAACAAGTGGCAGCAACTTCAATCAACATCTGTGGACCAAAAC	3869
QY	3361	AAGCTGAACAAGAATTAATCGAGGAAATGACACATTCCTCCCACTATTCCTATCAACCAA	3420
Db	3870	AAGCTGAACAAGAATTAATCGAGGAAATGACACATTCCTCCCACTATTCCTATCAACCAA	3929
QY	3421	TCATATGACCGCAAGACAGAGGATTCCTACAAAGCTCAGACCGGGGAGTAGTATCTT	3480
Db	3930	TCATATGACCGCAAGACAGAGGATTCCTACAAAGCTCAGACCGGGGAGTAGTATCTT	3989
QY	3481	GGGAGTCAGGGGCAAGAAAAGGGGCAAGAACACCAAGGTATCCAAAAACAGGGTGGCATG	3540
Db	3990	GGGAGTCAGGGGCAAGAAAAGGGGCAAGAACACCAAGGTATCCAAAAACAGGGTGGCATG	4049
QY	3541	AACGTGGGAGACCTGCTTCTCTCCCGACACATCTCCTCCACACAGCAATATGGCAA	3600

Db 4050 AACTGGGACACCTGCTCTCTCCCTCCCGACATCTCTCCACACAGCAATAGGAA 4109
 QY 3601 GAGTACACATTTCTGTAGTGAAGCTATGACCAAGAAATGCCATGCTCCGTCACCA 3660
 Db 4110 GAGTACACATTTCTGTAGTGAAGCTATGACCAAGAAATGCCATGCTCCGTCACCA 4169
 QY 3661 GCAGAGATGATTTGACACAGATGATTTAGAGAGAGAGAAATGACAGAGGCCCCACT 3720
 Db 4170 GCAGAGATGATTTGACACAGATGATTTAGAGAGAGAGAAATGACAGAGGCCCCACT 4229
 QY 3721 CCCCCTGTTGCGGAGAGAGCTTCTTCCAGCTGCCGTGCTATATACCATCATGTCACAT 3780
 Db 4230 CCCCCTGTTGCGGAGAGAGCTTCTTCCAGCTGCCGTGCTATATACCATCATGTCACAT 4289
 QY 3781 GCCACTCTGACTCCCTCCCAAGAAATCCACGCCCATGTTACAGATTTGTCAGAG 3840
 Db 4290 GCCACTCTGACTCCCTCCCAAGAAATCCACGCCCATGTTACAGATTTGTCAGAG 4349
 QY 3841 GAGACTGGCCACATGACACACAGCCCGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3900
 Db 4350 GAGACTGGCCACATGACACACAGCCCGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 4409
 QY 3901 CCACACAGGCGGATCTCTCCCTCCACATACCTATGCTATCTTCCAGAGACCCCTGTCCTCA 3960
 Db 4410 CCACACAGGCGGATCTCTCCCTCCACATACCTATGCTATCTTCCAGAGACCCCTGTCCTCA 4469
 QY 3961 GATATGATATGCGATGCGCCAGAAAGAGAAAGACAGAGCCGACATGAGAGTACCAAG 4020
 Db 4470 GATATGATATGCGATGCGCCAGAAAGAGAAAGACAGAGCCGACATGAGAGTACCAAG 4529
 QY 4021 ATGCAAAACGAAAGGCTTTTGTACGTGGCTTGAGCAGACACCTGCTCAGTGTGGG 4080
 Db 4530 ATGCAAAACGAAAGGCTTTTGTACGTGGCTTGAGCAGACACCTGCTCAGTGTGGG 4589
 QY 4081 GACCTGGAGAGCTCTGTCACAGGGGTCATGATCAACGGCTGGGGCTTCAGCCTCAGAGAG 4140
 Db 4590 GACCTGGAGAGCTCTGTCACAGGGGTCATGATCAACGGCTGGGGCTTCAGCCTCAGAGAG 4649
 QY 4141 GACAAATTTCCAGCGGAGCTCCAGTGTAGTCTTCGAGCGGCTCTTTTCTACTGAT 4200
 Db 4650 GACAAATTTCCAGCGGAGCTCCAGTGTAGTCTTCGAGCGGCTCTTTTCTACTGAT 4709
 QY 4201 GCTGACTTTGCCAGGAGCTGCGACAGCGGAGAGATCTGTGTTGAAAGTAGCAGA 4260
 Db 4710 GCTGACTTTGCCAGGAGCTGCGACAGCGGAGAGATCTGTGTTGAAAGTAGCAGA 4769
 QY 4261 CGGCAAAATGAGAGATGCTGCTGCGCTGACATTTTCATGCTCAGTGCCTAGGCC 4320
 Db 4770 CGGCAAAATGAGAGATGCTGCTGCGCTGACATTTTCATGCTCAGTGCCTAGGCC 4829
 QY 4321 ACAAGTCCGCTGTCTACAGACAGACATAGTGGCGCGCTAATGCAGAAACAGACCA 4380
 Db 4830 ACAAGTCCGCTGTCTACAGACAGACATAGTGGCGCGCTAATGCAGAAACAGACCA 4889
 QY 4381 GCCAAGAACTGAACACAGCCAGGACATCTGCGCAGAGAAACCTACAGATGATCTT 4440
 Db 4890 GCCAAGAACTGAACACAGCCAGGACATCTGCGCAGAGAAACCTACAGATGATCTT 4949
 QY 4441 CCACACCTCTCTGCTGCCGACCTGCTATTAAGTCACTTACTGCCCAATCCAAAGACAG 4500
 Db 4950 CCACACCTCTCTGCTGCCGACCTGCTATTAAGTCACTTACTGCCCAATCCAAAGACAG 5009
 QY 4501 CTGGAAGTACGACCTGATGATGCTGCAAAATCCCTTCTATGGATGCAAGACAGACAGA 4560
 Db 5010 CTGGAAGTACGACCTGATGATGCTGCAAAATCCCTTCTATGGATGCAAGACAGACAGA 5069
 QY 4561 TCATCAGACGAAAGAGACAGATTAACAGGGAGAGAGAGATGTTGATGGAAGACAGTT 4620
 Db 5070 TCATCAGACGAAAGAGACAGATTAACAGGGAGAGAGATGTTGATGGAAGACAGTT 5129
 QY 4621 GTTGACATGGGAACCAATCCAGTGTCCAGAGAGACAGACAGCAAAATGACGGG 4680

Db 5130 GTTGACATGGGAACCAATCCAGTGTCCAGAGAAACAGACAGAGAAACCAAAATGACGGG 5189
 QY 4681 AAAGGACGTGGAACCAAGGACGAAACAGACCTTCCACAGCAAAAGACTCATCTCATC 4740
 Db 5190 AAAGGACGTGGAACCAAGGACGAAACAGACCTTCCACAGCAAAAGACTCATCTCATC 5249
 QY 4741 CAAGAGATATTTCTACTTATTTGAGACCTACTTTTCCAAACATCAATTAATCCAGAGAT 4800
 Db 5250 CAAGAGATATTTCTACTTATTTGAGACCTACTTTTCCAAACATCAATTAATCCAGAGAT 5309
 QY 4801 CCCAGTTCCTCAAGCTCAATGTCATCAAGAGAGATCAGAGAGACGACAAAGAGAA 4856
 Db 5310 CCCAGTTCCTCAAGCTCAATGTCATCAAGAGAGATCAGAGAGACGACAAAGAGAA 5365

Search completed: September 20, 2002, 12:00:25
 Job time: 39 sec

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